

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S22 3	96	("20020152211" "20030023874" "5936542" "6418372" "5814796" "5949879" "5991411" "6057764" "6288905" "6809646" "7117012" "5757021" "5960085" "6836843" "20030005193" "6081893" "5756978" "6223985" "6223985" "6339828" "6408389" "20050091338" "5291399" "5465082" "20040006699" "5019697" "5455851" "5471404" "6233588" "6422463" "6513710" "6738772" "6892083" "6993592" "20020077996" "20030169337" "20030206115" "20040127210" "20050270170" "20060116885" "20060265447" "5971282" "5980011" "6195541" "6195542" "6241332" "5305469" "5349356" "6076166" "4305215").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 13:07
S22 2	8	S219 and beacon\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 13:07
S22 1	1	S219 and beacon\$1 and ((clearance or access or security) near level\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 13:05
S22 0	0	S219 and beacon\$1 and ((clearance or access or security) near level\$1) and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 13:04
S21 8	0	S216 and beacon\$1 and ((clearance or access or security) near level\$1) and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 12:24

## EAST Search History

S21 9	96	("20020152211" "20030023874" "5936542" "6418372" "5814796" "5949879" "5991411" "6057764" "6288905" "6809646" "7117012" "5757021" "5960085" "6836843" "20030005193" "6081893" "5756978" "6223985" "6223985" "6339828" "6408389" "20050091338" "5291399" "5465082" "20040006699" "5019697" "5455851" "5471404" "6233588" "6422463" "6513710" "6738772" "6892083" "6993592" "20020077996" "20030169337" "20030206115" "20040127210" "20050270170" "20060116885" "20060265447" "5971282" "5980011" "6195541" "6195542" "6241332" "5305469" "5349356" "6076166" "4305215" ).pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 12:23
S21 7	0	S216 and beacon\$1 and ((clearance or access) near level\$1) and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 12:22
S21 6	96	("20020152211" "20030023874" "5936542" "6418372" "5814796" "5949879" "5991411" "6057764" "6288905" "6809646" "7117012" "5757021" "5960085" "6836843" "20030005193" "6081893" "5756978" "6223985" "6223985" "6339828" "6408389" "20050091338" "5291399" "5465082" "20040006699" "5019697" "5455851" "5471404" "6233588" "6422463" "6513710" "6738772" "6892083" "6993592" "20020077996" "20030169337" "20030206115" "20040127210" "20050270170" "20060116885" "20060265447" "5971282" "5980011" "6195541" "6195542" "6241332" "5305469" "5349356" "6076166" "4305215" ).pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/17 12:21
S21 5	2	S214 and badge\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:43
S21 4	27	S213 and clearanc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:42

## EAST Search History

S21 0	20	S209 and badges and clearanc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:42
S21 3	27	S208 and beacon\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:41
S21 2	1	S210 and beacon\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:41
S21 1	0	S210 and wireless adj2 beacon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:33
S98	31	wireless adj2 beacon and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:33
S20 9	20	S205 and S208	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:32
S20 8	276	medical near record\$1 and access\$3 and clearance\$1 and securit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:32
S8	179	badges and clearanc\$3 and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:32
S20 6	58	("smart badges" or "smart badge" or "smart cards" or "smart card" or "intelligent badges" or "intelligent badge" or "intelligent cards" or "intelligent card" or ((smart or intelligen\$3) near2 access) or ((smart or intelligen\$3) near2 card)) near wireless and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:31
S20 7	0	S206 and S205	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:30

## EAST Search History

S13 4	50	("smart badges" or "smart badge" or "smart cards" or "smart card" or "intelligent badges" or "intelligent badge" or "intelligent cards" or "intelligent card" or ((smart or intelligent\$3) near2 access) or ((smart or intelligent\$3) near2 card)) near wireless and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:30
S20 5	397	security and access\$3 and badg\$3 and ("radio frequency" or RF) and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/11 13:29
S20 4	1	"6633757".pn. and beacon\$1 and (infrared or "IR") and ("radio frequency" or "RF")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/20 12:20
S20 2	22	"1024628"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/20 12:18
S20 1	0	EP1024628	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/20 12:11
S20 0	4	((infrared or IR!) near beacon) and (("radio frequency" or RF!) near beacon) and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/20 12:11
S19 9	0	infrared adj1 beacon and "radio frequency" adj1 beacon and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/20 11:57
S19 8	69	"first beacon" and "second beacon" and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/19 20:10
S94	60	"first beacon" and "second beacon" and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/19 19:23
S19 7	0	"first beacon" and "second beacon" and badge\$1 and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/19 19:22
S19 6	0	"first beacon" and "second beacon" and "RF" and badge\$1 and @ad<"20010417"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/19 19:22

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clearance levels, access level and smart badge

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If we did, there are **smart** people who could figure out things that are secrets, like top speeds, ... **Clearance levels** are not all-areas **access** passes. ...  
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### Networked Badging Boosts Security

Employees everywhere have **badges** as well as potential **access** to badging ... "If you want to go beyond this **level**, a **smart** card reader or biometric ...  
[govtsecurity.com/mag/networked\\_badging\\_boosts/](http://govtsecurity.com/mag/networked_badging_boosts/) - 37k - [Cached](#) - [Similar pages](#)

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**Badges & Accessories.** Arm Band **Badge Holder** · Avery Photo ID System · **Badge Holder** · **Badge Reels** ... Restricted **Access** Signs - Industrial ...  
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### 1 Raindrop: Federation

Neal Stephenson on Transport **Level** Security Versus Message **Level** Security ... Consider the use of smartcards, **smart badges**, or other critical functions. ...  
[1raindrop.typepad.com/1\\_raindrop/federation/index.html](http://1raindrop.typepad.com/1_raindrop/federation/index.html) - 77k - [Cached](#) - [Similar pages](#)

### Schneier on Security: Screening People with Clearances

Letting somebody without a correct-level **badge** piggyback into a SCIF was grounds for losing your **clearance**. A pattern of accidentally bringing in your cell ...  
[www.schneier.com/blog/archives/2006/10/screening\\_peopl.html](http://www.schneier.com/blog/archives/2006/10/screening_peopl.html) - 101k - [Cached](#) - [Similar pages](#)

### Physical Security, network security, privacy, encryption source ...

**Levels of access** and authorization f. I.D. **badges** and recognition systems ... Examples of such items include ATM machines, **smart cards**, electronic wallets, ...  
[www.infosyssec.org/infosyssec/physical\\_security.htm](http://www.infosyssec.org/infosyssec/physical_security.htm) - 43k - [Cached](#) - [Similar pages](#)

### SMO: Medical Privacy 06/03

The specifications for granting and terminating **clearance** are addressable. A critical issue is the **level of access** given to network and system ...  
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Contrasting colors are often used as a visual device to indicate different **levels of access** or security **clearance**. For most ID cards, the photo is the ...  
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gerald Q. Maguire Jr. and smart card

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GQ Maguire, M Smith, HWP Beadle - 6th International Workshop on Hardware/Software Codesign, 1998 - it.kth.se

... communication system Prof. Dr. Gerald Q. Maguire Jr. Royal Institute of Technology, Stockholm, Sweden Dr. Mark T. Smith ... Maguire CODES-980313.fm5 ...

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GY Liu, GQ Maguire - 1994 - vvv.it.kth.se

... Architecture for Supporting Global-distributed Mobile Computing George Liu and Gerald Q. Maguire Jr. <yuliu@it.kth.se> <maguire@it.kth.se> 1994-12-28 ...

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[A smart network with active services for wireless context-aware multimedia communications](#)

A Ren, GQ Maguire Jr - Wireless Communications and Systems, 1999 Emerging ... , 1999 - ieeexplore.ieee.org

Page 1. A SMART NETWORK WITH ACTIVE SERVICES FOR WIRELESS CONTEXT-AWARE MULTIMEDIA

COMMUNICATIONS Anne Ren, Gerald Q. Maguire Jr. ... se, maguire@it.kth. se ...

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J Ioannidis, GQ Maguire Jr - Proceedings of the Winter USENIX Technical Conference - cs.columbia.edu

Page 1. The Design and Implementation of a Mobile Internetworking Architecture John Ioannidis & Gerald Q. Maguire Jr. – Columbia University ABSTRACT ...

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A Aizer, JL Akula, HM Allen Jr, WH Rogers, RC ... - Health Affairs, 1909 - Health Affairs ... McGuire, Thomas G. See Richard G. Frank. ... O-P-Q Ogrod, Eugene S. Compensation and

Quality: A Physi ... Riley, Gerald F., Melvin J. Ingber, and Cynthia G. Tudor. ...

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R Shankaran, M Hitchens, V Varadharajan... - Science, 2000 - library.uws.edu.au ... [Ioannidis+ 91] J. Ioannidis, D. Duchamp, Jr Gerald, and Q. Maguire. ... 24 th of August 1992. [Ioannidis+ 93a] J. Ioannidis and GQ Maguire Jr. ...

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[System for enabling smart card transactions to occur over the internet and](#)

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RH Wagner - US Patent 6,694,387, 2004 - Google Patents  
... Group, Feb. 11-12, 1993, (5 pages). Krajewski, Jr., M., "Concept for a Smart Card Kerberos", Jan. 22, 2002, (8 pages). Kohl et al ...

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KH Zuberi - it.kth.se  
... like all-IP direct signaling, super digital signal processing, **smart** antenna transceiver ... Magazine, April 2002, pp 96 [15] **Gerald Q. Maguire Jr.**, 2G1330 Mobile ...  
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... , DK Dufner, O Kwon, YT Park, Q Peng, H Fuks, MA ... - ieeexplore.ieee.org  
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## **Ehichioya, Fred**

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achieved 1  
activity 1  
advantageous 1  
again 1  
allowing 1  
alto 1  
angle 2  
any 2  
application 4  
area 2  
array 1  
art 8  
aspects 3  
assigned 8  
assigning 5  
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authenticates 1  
authentication 1  
aware 10  
awareness 1  
awkward 1  
background 2  
badge 35  
badges 23  
based 1  
beacon 15  
beacons 2  
become 1  
becomes 2  
before 1  
begin 1  
below 1  
biometric 2  
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bref 1  
can 1  
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change 2  
claims 1  
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communication 2  
communications 1  
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longer 2  
lowest 9  
maguire 1  
management 6  
manufactures 1  
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may 3  
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right 2  
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swedish 1  
system 19  
systems 3  
technologies 2  
technology 1  
temperature 1  
things 2  
though 1  
through 1  
throughout 1  
time 6  
timeout 1  
unlock 1  
unlocking 2  
updating 1  
upon 1  
using 5  
variety 1  
very 1  
visibility 7  
visible 9  
voice 1  
way 1  
wearer 7  
wearers 5  
wearing 1  
web 1  
well 1  
whether 1  
whose 1  
wide 2  
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within 8  
work 1  
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writing 1  
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20030023874

5936542

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- 11 235/380 (2 OR, 9 XR)  
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- 7 235/382 (3 OR, 4 XR)  
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235/375 .SYSTEMS CONTROLLED BY DATA BEARING RECORDS  
235/380 ..Credit or identification card systems  
235/382 ...Permitting access
- 5 340/825.49 (4 OR, 1 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/825 .SELECTIVE  
340/825.36 ..Having indication or alarm (e.g., location indication)  
340/825.49 ...Location indication
- 4 340/572.1 (2 OR, 2 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/500 .CONDITION RESPONSIVE INDICATING SYSTEM  
340/540 ..Specific condition  
340/568.1 ...Article placement or removal (e.g., anti-theft)  
340/572.1 ....Detectable device on protected article (e.g., "tag")
- 3 707/9 (1 OR, 2 XR)  
Class 707 DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA  
STRUCTURES  
707/1 ..DATABASE OR FILE ACCESSING  
707/9 ..Privileged access
- 3 726/4 (2 OR, 1 XR)  
Class 726 INFORMATION SECURITY  
726/2 .ACCESS CONTROL OR AUTHENTICATION  
726/3 ..Network  
726/4 ...Authorization
- 3 235/492 (1 OR, 2 XR)  
Class 235 REGISTERS  
235/487 .RECORDS  
235/492 ..Conductive
- 3 380/30 (0 OR, 3 XR)  
Class 380 CRYPTOGRAPHY  
380/28 .PARTICULAR ALGORITHMIC FUNCTION ENCODING  
380/30 ..Public key
- 3 235/379 (0 OR, 3 XR)  
Class 235 REGISTERS  
235/375 .SYSTEMS CONTROLLED BY DATA BEARING RECORDS  
235/379 ..Banking systems
- 3 705/26 (0 OR, 3 XR)  
Class 705 DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT,  
OR COST/PRICE DETERMINATION  
705/1 ..AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR  
MANAGEMENT ARRANGEMENT  
705/26 ..Electronic shopping (e.g., remote ordering)
- 3 713/183 (3 OR, 0 XR)

09836952\_CLSTITLES1.txt

SUPPORT      Class 713      ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
              713/182      .SYSTEM ACCESS CONTROL BASED ON USER IDENTIFICATION BY  
CRYPTOGRAPHY    713/183      ..Solely password entry (no record or token)

3 713/165      (0 OR, 3 XR)  
              Class 713      ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
SUPPORT      713/150      .MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY  
              713/164      ..Security kernel or utility  
              713/165      ...File protection

2 340/5.61      (2 OR, 0 XR)  
              Class 340      COMMUNICATIONS: ELECTRICAL  
              340/825      .SELECTIVE  
              340/5.1      ..Intelligence comparison for controlling  
              340/5.2      ...Authorization control (e.g., entry into an area)  
              340/5.6      ....Coded record input (e.g., IC card or key)  
              340/5.61      .....Wireless transceiver

2 340/10.51      (0 OR, 2 XR)  
              Class 340      COMMUNICATIONS: ELECTRICAL  
              340/825      .SELECTIVE  
              340/10.1      ..Interrogation response  
              340/10.5      ...Additional control  
              340/10.51      ....Programming (e.g., read/write)

2 235/375      (1 OR, 1 XR)  
              Class 235      REGISTERS  
              235/375      .SYSTEMS CONTROLLED BY DATA BEARING RECORDS

2 713/172      (0 OR, 2 XR)  
              Class 713      ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
SUPPORT      713/150      .MULTIPLE COMPUTER COMMUNICATION USING CRYPTOGRAPHY  
              713/168      ..Particular communication authentication technique  
              713/172      ...Intelligent token

2 235/487      (0 OR, 2 XR)  
              Class 235      REGISTERS  
              235/487      .RECORDS

2 455/558      (1 OR, 1 XR)  
              Class 455      TELECOMMUNICATIONS  
              455/73      .TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)    455/550.1      ..Radiotelephone equipment detail  
              455/557      ...Interface attached device (e.g., interface with modem,  
facsimile, computer, etc.)  
              455/558      ....Card control element

2 455/556.1      (0 OR, 2 XR)  
              Class 455      TELECOMMUNICATIONS  
              455/73      .TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,  
TRANSCEIVER)    455/550.1      ..Radiotelephone equipment detail  
              455/556.1      ...Integrated with other device

2 380/281      (0 OR, 2 XR)  
              Class 380      CRYPTOGRAPHY  
              380/277      .KEY MANAGEMENT  
              380/278      ..Key distribution

09836952\_CLSTITLES1.txt

380/279        ...Key distribution center  
380/281        ....Using master key (e.g., key-encrypting-key)

2 380/284      (0 OR, 2 XR)  
Class 380      CRYPTOGRAPHY  
380/277        .KEY MANAGEMENT  
380/278        ..Key distribution  
380/283        ...User-to-user key distributed over data link (i.e., no  
center)        380/284        ....Using master key (e.g., key-encrypting-key)

2 713/185      (1 OR, 1 XR)  
Class 713      ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
SUPPORT  
CRYPTOGRAPHY  
713/182        .SYSTEM ACCESS CONTROL BASED ON USER IDENTIFICATION BY  
713/185        ..Using record or token

2 705/3        (1 OR, 1 XR)  
Class 705      DATA PROCESSING: FINANCIAL, BUSINESS PRACTICE, MANAGEMENT,  
OR COST/PRICE DETERMINATION  
MANAGEMENT ARRANGEMENT  
705/1        .AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS PRACTICE OR  
705/2        ..Health care management (e.g., record management, ICDA  
billing)      705/3        ...Patient record management

2 455/41.2     (0 OR, 2 XR)  
Class 455      TELECOMMUNICATIONS  
455/39        .TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
455/41.2       ..Short range RF communication

2 347/4        (2 OR, 0 XR)  
Class 347      INCREMENTAL PRINTING OF SYMBOLIC INFORMATION  
347/1        .INK JET  
347/2        ..Combined  
347/4        ...With conveyed object

2 347/104     (0 OR, 2 XR)  
Class 347      INCREMENTAL PRINTING OF SYMBOLIC INFORMATION  
347/1        .INK JET  
347/101       ..Medium and processing means  
347/104       ...Physical handling

2 455/406     (2 OR, 0 XR)  
Class 455      TELECOMMUNICATIONS  
455/403       .RADIOTELEPHONE SYSTEM  
455/405       ..Usage measurement  
455/406       ...Billing

09836952\_CLS1.txt

Most frequently occurring classifications of patents returned  
from a search of 09836952 on May 17 , 2007

Original Classifications

4	340/825.49
3	235/382
3	713/183
2	726/4
2	340/5.61
2	235/380
2	340/572.1
2	347/4
2	455/406

Cross-Reference Classifications

9	235/380
4	235/382
3	380/30
3	235/379
3	705/26
3	713/165
2	707/9
2	235/492
2	340/10.51
2	713/172
2	340/572.1
2	235/487
2	455/556.1
2	380/281
2	380/284
2	455/41.2
2	347/104

Combined Classifications

11	235/380
7	235/382
5	340/825.49
4	340/572.1
3	707/9
3	726/4
3	235/492
3	380/30
3	235/379
3	705/26
3	713/183
3	713/165
2	340/5.61
2	340/10.51
2	235/375
2	713/172
2	235/487
2	455/558
2	455/556.1
2	380/281
2	380/284
2	713/185
2	705/3
2	455/41.2
2	347/4
2	347/104
2	455/406